# Feature of product

The device adopts technologies such as microcomputer control and digital scanning converter (DSC), large dynamic broadband low-noise preamplifier, logarithmic compression, dynamic filtration, edge enhancement etc. to ensure legible, stable and high resolution images.

Display modes: B, B+B, 4B, B+M, M

Gray scales: 256

Realize real time image display, frozen, zoom, store, up/down left/right reversal and Cine-loop. Multi-level scanning depth to choose, dynamic range, frame parameter adjust and focuses, focus location move. 16 body marks.

Comment : date & time, name, sex, age, doctor, hospital, annotation, distance, circumference, area, PAL-D video out, link to video printer or video device. USB 2.0 for real-time picture uploading to PC

Combined power supply mode of AC adapter and built-in Li-ion chargeable battery, the power saving mode to enable more lasting battery operation.

Jet molding enclosure with hand-held structure makes it convenient for out diagnoses.

Standard Configuration: Main unit + 6.5MHz Rectal Probe.

Options: CXA/50R/3.5MHz Convex Probe, C1-12/20R/5.0MHz Micro-convex Probe, L1-5/7.5MHz Linear Probe.

# Product details introduction

**Scope of application**

It is suitable for animal diagnosis such as pigs, horses, cattle, sheep, cats and dogs.

## Specifications

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| 型号 Type | | | EC8000AV | | |
| Probe | | | 7.5Mhz Linear Probe  6.5Mhz Linear Rectal Probe | 3.5Mhz Convex Probe | 5.0Mhzmicro-Convex Probe |
| Scan Depth(Mm) | | | ≥80 | ≥140 | ≥90 |
| Resolution  (Mm) | | Lateral | ≤1( Depth ≤60) | ≤3( Depth ≤80)  ≤5(80＜ Depth ≤130) | ≤3( Depth ≤60) |
| Axial | ≤1( Depth ≤80) | ≤1( Depth ≤80) | ≤1( Depth ≤60) |
| Blind Area (Mm) | | | ≤3 | ≤6 | ≤5 |
| Geometric  Position  Precision(%) | Horizontal | | ≤5 | ≤7.5 | ≤7.5 |
| Vertical | | ≤5 | ≤5 | ≤5 |
| Monitor Size | | | 6.4 Inch Tft-Lcd | | |
| Display Modes | | | B,B+B,B+M,M,4B | | |
| Gray Scales | | | 256 | | |
| Image Permanent Storage | | | 64 Frames | | |
| Gain Range | | | 0-192db(Adjust Range 64-192db) | | |
| Cine-Loop | | | ≥400 Frames | | |
| Scanning Depth | | | 70mm-240mm | | |
| Image Conversion | | | Up/Down, Left/Right | | |
| Body Marks | | | 16 | | |
| Image Process | | | Faked Color, Gray Calibration, Image Smooth And Histogram. | | |
| Frequency Adjustment | | | 3 | | |
| Frame Correlation Adjust | | | Support | | |
| Measuring Functions | | | Distance, Circumference, Area, Volume, Ef Rate | | |
| Comment | | | Date & Time, Name, Pid, Sex, Age, Doctor, Hospital, Annotation | | |
| Output Report | | | Support | | |
| Port | | | Usb2.0; Video | | |
| Time To Empty | | | >3 Hours | | |
| Size | | | Length(230mm)\*Width(153mm)\*Depth(46mm) | | |
| Weight | | | 700g | | |
| Power | | | 45W | | |

## Standard Configuration

Main Unit

Adapter

Battery

LNA64/6.5MHz Animal Rectal Probe

User’s Manual

Power connection

Inspection Report

Packing List

## Optional Configuration

1. CXA50R/3.5MHz Convex Probe
2. CXA20R/5.0MHz Micro-Convex Probe